

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A waveform customization method for a signal generator, comprising:
retrieving a waveform and at least one code associated with said waveform from a storage media;
retrieving at least one key associated with said signal generator;
comparing said at least one code associated with said waveform and said at least one key; and
downloading said waveform to said signal generator under condition that said at least one code matches said at least one key.
2. (Original) The method of Claim 1, further comprising:
bundling said waveform and said at least one code associated with said waveform into a file; and
storing said file containing said waveform and said at least one code associated with said waveform in said storage media.
3. (Original) The method of Claim 2, further comprising:
providing one or more parameters that characterize said waveform; and
creating said waveform based on said one or more parameters.
4. (Original) The method of Claim 3, further comprising:
providing one or more signal generator settings;

bundling said one or more signal generator settings with said waveform and said at least one code; and

configuring said signal generator using said one more signal generator settings.

5. (Original) The method of Claim 4, wherein said steps of providing further comprises:

entering at least one of said one or more parameters and said one or more signal generator settings by a user into a computer that creates said waveform.

6. (Original) The method of Claim 5, wherein said step of providing said one or more signal generator settings further comprises:

pre-configuring said one or more signal generator settings; and
storing said one or more pre-configured signal generator settings on said computer.

7. (Original) The method of Claim 2, wherein said file is encrypted, and further comprising:

decrypting said file after said step of retrieving said waveform.

8. (Original) The method of Claim 1, wherein said step of retrieving said at least one key further comprises:

retrieving said at least one key from said signal generator, said at least one key being stored within said signal generator.

9. (Original) The method of Claim 1, wherein said waveform is a signal modulated to conform to one of a plurality of communication formats, said signal generator being capable

of downloading and transmitting signals modulated to conform to any of the plurality of communication formats, each of the plurality of communication formats having a different one of said at least one code associated therewith.

10. (Original) The method of Claim 1, further comprising:

requesting said waveform be downloaded to said signal generator by an automatic test equipment system.

11. (Original) The method of Claim 10, further comprising:

requesting an additional waveform be downloaded to an additional signal generator by said automatic test equipment system.

12. (Original) The method of Claim 11, wherein said additional waveform is stored within an additional storage media.

13. (Original) A system customizing at least one waveform of a signal generator, comprising:

a storage media adapted to store a waveform and at least one code associated with said waveform; and

a download application configured to retrieve said waveform and at least one key associated with said signal generator, compare said at least one code associated with said waveform and said at least one key and download said waveform to said signal generator under condition that said at least one code matches said at least one key.

14. (Original) The system of Claim 13, further comprising:

a signal generation application configured to bundle said waveform and said at least one code associated with said waveform into a file and store said file in said storage media.

15. (Original) The system of Claim 14, wherein said signal generation application is further configured to encrypt said file prior to storing said file in said storage media, said download application being further configured to decrypt said file.

16. (Original) The system of Claim 14, wherein said signal generation application is further configured to receive as input one or more parameters that characterize said waveform and create said waveform based on said one or more parameters.

17. (Original) The system of Claim 16, wherein said signal generation application is further configured to provide one or more signal generator settings and bundle said one or more signal generator settings with said waveform and said at least one code, said download application being further configured to use said one or more signal generator settings to configure said signal generator.

18. (Original) The method of Claim 17, further comprising:

a computer having at least said signal generation application therein, said signal generation application further having an interface capable of receiving at least one of said one or more parameters and said one or more signal generator settings from a user of said computer.

19. (Original) The system of Claim 18, wherein said one or more signal generator settings are pre-configured and stored on said computer.

20. (Original) The system of Claim 18, wherein said computer further has said storage media and said download application therein.

21. (Original) The system of Claim 18, further comprising an additional computer having at least said download application therein.

22. (Original) The system of Claim 21, wherein said computer is operatively connected to said additional computer.

23. (Original) The system of Claim 22, wherein said computer is connected to said additional computer via a data network.

24. (Original) The system of Claim 13, wherein said at least one key is stored on said signal generator.

25. (Original) The system of Claim 13, wherein said waveform is a signal modulated to conform to one of a plurality of communication formats, said signal generator being capable of downloading and transmitting signals modulated to conform to any of the plurality of communication formats, each of the plurality of communication formats having a different one of said at least one code associated therewith.

26. (Currently Amended) ~~The system of Claim 13, further comprising:~~ A system customizing at least one waveform of a signal generator, comprising:

a storage media adapted to store a waveform and at least one code associated with

said waveform;

a download application configured to retrieve said waveform and at least one key
associated with said signal generator, compare said at least one code associated with said
waveform and said at least one key and download said waveform to said signal generator
under condition that said at least one code matches said at least one key; and

an automatic test equipment system adapted to request said download application to
download said waveform to said signal generator.

27. (Original) The system of Claim 26, wherein said automatic test equipment system
is further configured to request an additional waveform be downloaded to an additional signal
generator.

28. (Original) The system of Claim 27, further comprising:

an additional storage media, said additional waveform being stored within said
additional storage media.